

COURSE OBJECTIVES LEARN TO:

- Assess and manage risks of erosion and sedimentation on construction sites
- Understand water quality regulatory requirements pertaining to the construction industry
- General Permit for construction activities
- Know the 13 elements of a SWPPP
- o Plan, install, monitor and maintain BMPs that comply with Ecology's Construction NPDES permit
- Provide CESCL certification for attendees

What Is Covered:

- Impacts of Erosion and Sedimentation CT
- Regulatory Requirements DN
- Erosion & Sedimentation Processes JB
- ▶ Factors Influencing Erosion JB
- BMPs for the 13 Elements of a SWPPP CD/JB/CT/EB
- Stormwater Pollution Prevention Planning CT
- Monitoring/Reporting/Recordkeeping CT

Course Materials on-line

- Construction General Stormwater Permit
- Permit Application & Relevant Forms
- SWPPP Template
- List of Sampling Labs
- Regulatory Contacts
- FTP on King County CESCL Training web site.
- http://www.kingcounty.gov/environment/water-andland/stormwater/erosion-sediment-control-training.aspx

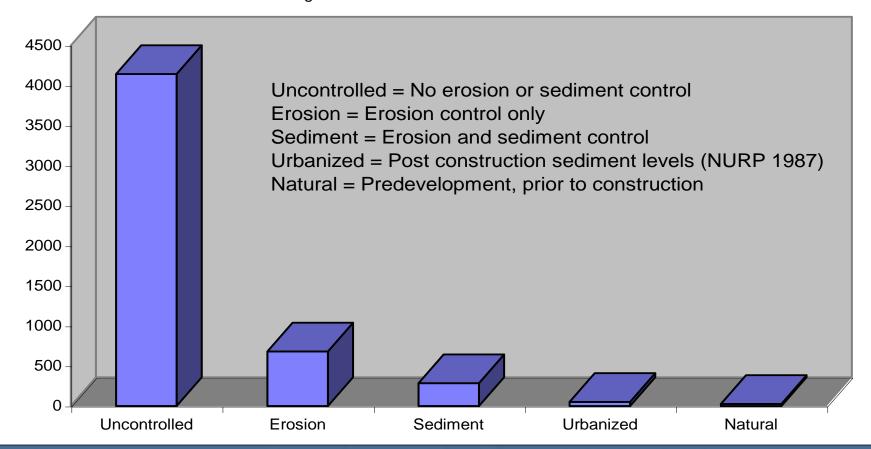
Special Thanks to the people of:

- **Solution** Creative Courses
- Sing County DNRP
- Washington Department of Ecology
- Port of Seattle
- Clark County Community Development
- Clark County Watershed Stewards
- Soil Conservation Society
- National Aeronautical & Space Adminis

Why is this Erosion Control Stuff such a Big Deal?

CONSTRUCTION SITE CONDITION STORM MEDIAN SEDIMENT CONCENTRATION (mg/l)

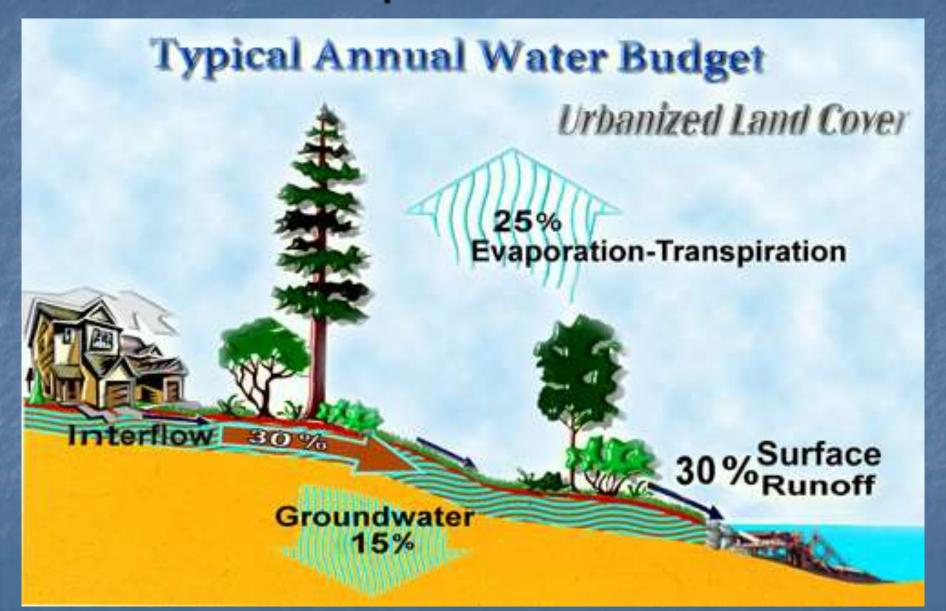
Source: Performance of current Sediment Control Measures at Maryland Construction Sites, Virginia Erosion and Sediment Control Handbook.



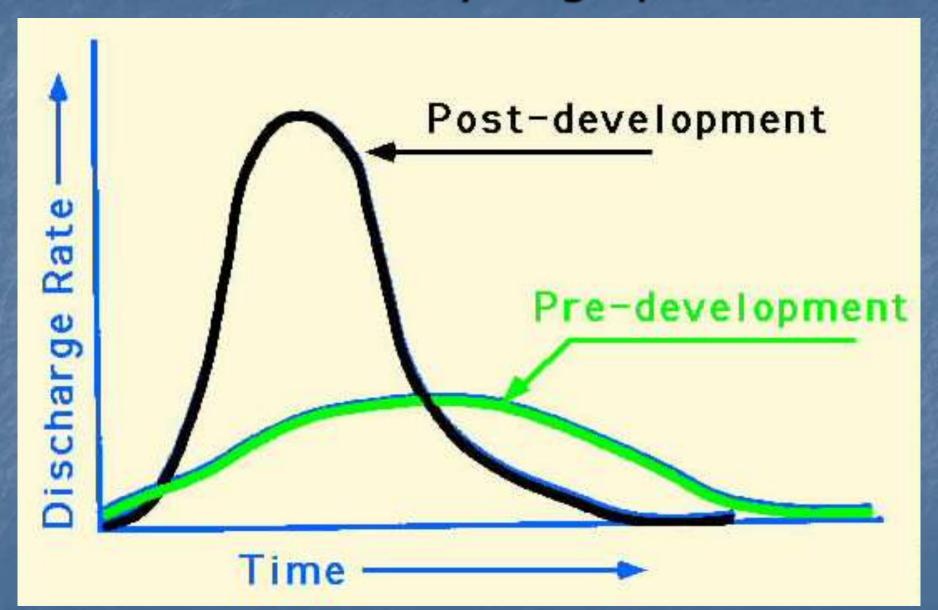
Natural Conditions



Developed Conditions



Runoff Hydrograph



Sediment Plume from Construction Site - \$\$\$\$ & Stop Work Order-Fines - Costly Cleanups



Impacts of Erosion and Sedimentation

- Construction Delays & Increased Costs
- Legal Costs
- Mitigation Costs
- Fisheries Impacts
- Profitability Impacts

Digging yourself Out of a hole







